

1 - 3 - 01

A /  
PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

12/29/00  
JC979  
PTO

JC654 U.S. PTO  
09/752534  
12/29/00



Please type a plus sign (+) inside this box [+]

## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P9878  
(maximum 12 characters)

First Named Inventor Manoj Khare et al.

Title: A Mechanism For Efficiently Supporting The Full MESI (Modified, Exclusive, Shared, Invalid) Protocol In A Cache Coherent Multi-Node Shared Memory System

Express Mail Label No. EL580086899US

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D. C. 20231

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original, and a duplicate for fee processing)
2.  **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3.  **Specification (Total Pages 22)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  **Drawings(s) (35 USC 113) (Total Sheets 9)**
5.  **Oath or Declaration (Total Pages 6)**
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 17 completed)
    - i.  **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  **Application Data Sheet. (37 CFR 1.76)**
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on.
    - i.  CD-ROM or CD-R (2 copies), or
    - ii.  paper
  - c.  Statement verifying identity of above copies

Docket No.: 42390P9878

Express Mail No.: EL580086899US

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & documents(s))  
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
 b. Power of Attorney  
11.  English Translation Document (if applicable)  
12.  a. Information Disclosure Statement (IDS)/PTO-1449  
 b. Copies of IDS Citations  
13.  Preliminary Amendment  
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16.  Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  
17.  Other: \_\_\_\_\_

**18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation       Divisional       Continuation-in-part (CIP)  
Of Prior Application No.: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**For CONTINUATION AND DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18B. Statement under 37 CFR 3.73(b) for continuing application:**

The undersigned states that \_\_\_\_\_ (name of assignee) is  
the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an  
assignment recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_  
(or a copy of which is attached).

**19. Correspondence Address**

Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)

Correspondence Address Below

NAME \_\_\_\_\_  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard  
Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (303) 740-1980 FAX (303) 740-6962

Name (PRINT/TYPE): Mark J. Fink Registration No.: 45,270

Signature: Mark J. Fink Date: December 29, 2000

**FEE TRANSMITTAL FOR FY 2001**TOTAL AMOUNT OF PAYMENT (\$) 898.00**Complete if Known:**

Application No. Not Yet Assigned  
 Filing Date Concurrently Herewith  
 First Named Inventor Manoj Khare  
 Group Art Unit Not Yet Assigned  
 Examiner Name Not Yet Assigned  
 Attorney Docket No. 42390P9878

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666  
 Deposit Account Name \_\_\_\_\_

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:  Check  
   \_\_\_\_\_  
   Credit Card  
   \_\_\_\_\_  
   Money Order  
   \_\_\_\_\_  
   Other

**FEE CALCULATION****1. BASIC FILING FEE**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee      Fee	Fee      Fee		
Code     (\$)	Code     (\$)		
101      710	201      355	Utility application filing fee	<u>710.00</u>
106      320	206      160	Design application filing fee	_____
107      490	207      245	Plant filing fee	_____
108      710	208      355	Reissue filing fee	_____
114      150	214      75	Provisional application filing fee	_____
<b>SUBTOTAL (1) \$ 710.00</b>			

**2. EXTRA CLAIM FEES**

	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims <u>26</u>	<u>- 20** = 6</u>	<u>X 18.00</u>	<u>= 108.00</u>
Independent Claims <u>4</u>	<u>- 3** = 1</u>	<u>X 80.00</u>	<u>= 80.00</u>
Multiple Dependent			<u>=</u>

\*\*Or number previously paid, if greater; For Reissues, see below.

Large Entity Small Entity

<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee Description</u>	<u>Fee</u>
Code     (\$)	Code     (\$)				
103      18	203      9	Claims in excess of 20			<u>0.00</u>
102      80	202      40	Independent claims in excess of 3			<u>0.00</u>
104      270	204      135	Multiple dependent claim, if not paid			<u>0.00</u>
109      80	209      40	**Reissue independent claims over original patent			<u>0.00</u>
110      18	210      9	**Reissue claims in excess of 20 and over original patent			<u>0.00</u>
<b>SUBTOTAL (2) \$ 188.00</b>					

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<b>Large Entity</b>	<b>Small Entity</b>	<b>Fee Description</b>	<b>Fee Paid</b>
Fee Code 105	Fee Code 205	Surcharge - late filing fee or oath	_____
130	65	Surcharge - late provisional filing fee	_____
50	25	or cover sheet	_____
139	130	Non-English specification	_____
147	2,520	For filing a request for ex parte reexamination	_____
112	920*	Requesting publication of SIR prior to Examiner action	_____
113	1,840*	Requesting publication of SIR after Examiner action	_____
115	110	Extension for reply within first month	_____
116	390	Extension for reply within second month	_____
117	890	Extension for reply within third month	_____
118	1,390	Extension for reply within fourth month	_____
128	1,890	Extension for reply within fifth month	_____
119	310	Notice of Appeal	_____
120	310	Filing a brief in support of an appeal	_____
121	270	Request for oral hearing	_____
138	1,510	Petition to institute a public use proceeding	_____
140	110	Petition to revive – unavoidable	_____
141	1,240	Petition to revive - unintentional	_____
142	1,240	Utility issue fee (or reissue)	_____
143	440	Design issue fee	_____
144	600	Plant issue fee	_____
122	130	Petitions to the Commissioner	_____
123	130	Petitions related to provisional applications	_____
126	180	Submission of Information Disclosure Stmt	_____
581	40	Recording each patent assignment per property (times number of properties)	_____
146	710	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
149	710	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
179	710	Request for Continued Examination (RCE)	_____
169	900	Request for expedited examination of a design application	_____

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ \_\_\_\_\_**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Mark J. Fink

Signature: Mark J. Fink Date: December 29, 2000

Reg. Number: 45,270 Telephone Number: 303-740-1980

EXPRESS MAIL CERTIFICATE OF MAILING

WARNING: Information on this form may become public. Credit card information should be included on this form. Provide credit card information and authorization on PTO-2038.

Express Mail mailing label number: EL580086899US  
I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

December 29, 2000

Date of Deposit

Debbie Pelogquin  
Name of Person Mailing Correspondence

Debbie Pelogquin 12-29-00  
Signature Date